**IMAV 2024: Safety assessment *(Version 1.0)***

General Information

Team name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Overall Number of MAVs: #\_\_\_\_\_\_\_\_

Team leader: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equipment information

|  |  |  |  |
| --- | --- | --- | --- |
| Transmitting equipment  (RC/Data/Video) | Part Name | Frequency | Maximum transmission power |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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I declare that the data provided is correct and the equipment is in compliance with UK law.

Signature team leader:

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Safety procedures

The strategy employed to avoid crossing the geofence:

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Measures employed after crossing the geofence:

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Intervention options of the safety pilot:

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Strategy employed in case of equipment malfunction (loss of data-link, flight in a non-commanded direction, etc.)

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Checklist (will be filled out by flight manager)

* Team is familiar with flight zones and height limitations
* All MAV safety checklists successful
* Safety Rules signed
* Safety procedures appropriate
* Agreed Operator Responsible for the Flight and Documentation provided where necessary.

Operator Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature flight manager:

**MAV Safety Checklist**

*(To be filled out for every MAV)*

General Information

MAV Number: #\_\_\_ Maximum horizontal size: \_\_\_\_\_\_ m

Take-off weight:\_\_\_\_\_\_kg

Safety pilot information’s

Name of designated Safety Pilot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I declare to stay in line of sight with the controlled MAV and to be able to take full manual control of the MAV at every time during flights.

Signature Safety pilot:

Checklist (will be filled out by flight manager)

* Weight
  + Maximum take-off weight below 4 kg
* Only electric propulsion systems
* Airworthiness
  + Overall MAV assembly is not careless
  + Equipment in overall good condition
  + Proper mounting of propulsion units
* No sharp and dangerous parts
* ID on MAV
* Distinguishable from the team´s other MAVs
* GPS Position and altitude visible on the Control station
* Aircraft health (minimum required: battery Voltage) visible on the Control station or by other means
* Designated safety pilot for this MAV
* Safety pilot is able to take full control at every time
  + Reliable control link
  + MAV is always in line of sight
* Altitude Limitation (120m)
  + Appropriate sensor on board (GPS or Baro)
  + Appropriate control law
* Measures for geofence crossing tested and passed

Signature flight manager: